

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

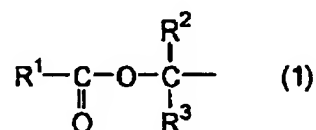
1. (original) A photocurable resin composition comprising:

(A) a component comprising a carboxyl group that may dissociate in the presence of an acid,

(B) a cationically polymerizable compound, and

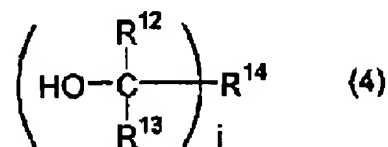
(C) a cationic photoinitiator.

2. (original) The photocurable resin composition according to claim 1, wherein the component (A) comprises a compound (a1) having a structure of the following formula (1),



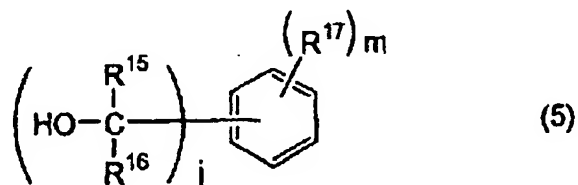
wherein R¹ represents an organic group having a polymerizable carbon-carbon double bond, and R² and R³ individually represent an alkyl group having 1-10 carbon atoms or an aryl group having 6-14 carbon atoms.

3. (currently amended) The photocurable resin composition according to claim 1 ~~or~~ 2, wherein the component (A) comprises a compound (a2) having the structure



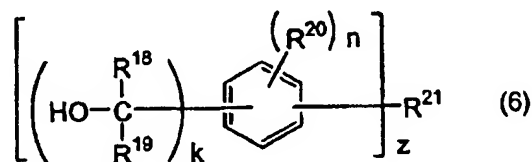
wherein R¹² and R¹³ individually represent an alkyl group having 1-10 carbon atoms or an aryl group having 6-14 carbon atoms, R¹⁴ is an organic group with a valence of i, the R¹⁴ group indicating a single bond when i is 2, and i is an integer of 2-4, provided that one of R¹², R¹³, and R¹⁴ is an alkyl group having 1-10 carbon atoms.

4. (currently amended) The photocurable resin composition according to ~~anyone of claims 1-3~~ claim 1, wherein the component (A) comprises a compound (a3) having the structure



wherein R¹⁵ represents an alkyl group having 1-10 carbon atoms, R¹⁶ represents an alkyl group having 1-10 carbon atoms or an aryl group having 6-14 carbon atoms, R¹⁷ individually represents an alkyl group having 1-5 carbon atoms, j is an integer of 2-4, and m is an integer of 0-4, provided j + m ≤ 6.

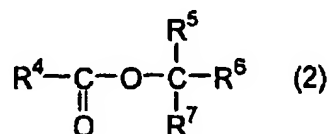
5. (currently amended) The photocurable resin composition according to ~~anyone of claims 1-4~~ claim 1, wherein the component (A) comprises a compound (a4) having the structure



wherein R¹⁸ represents an alkyl group having 1-10 carbon atoms, R¹⁹ represents an alkyl group having 1-10 carbon atoms or an aryl group having 6-14 carbon atoms, R²⁰ individually represents an alkyl group having 1-5 carbon atoms, R²¹ is an organic group having a valence of z, -O-, -S-, -CO-, or SO₂, k is an integer of 1 or 2, n is an integer of 0-3, and z is an integer of 2-4.

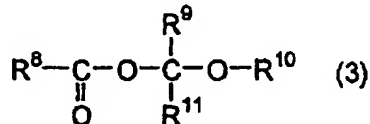
6. (currently amended) The photocurable resin composition according to ~~anyone of claims 1-5~~ claim 1, wherein the component (A) comprises 2,5-dimethylhexane-2,5-di(meth)acrylate or 1,3-di(2-hydroxypropyl)benzene-di(meth)acrylate.

7. (currently amended) The photocurable resin composition according to ~~anyone of claims 1-6~~ claim 1, wherein the component (A) comprises a compound (b1) having the structure



wherein, R⁴ represents an organic group having a polymerizable carbon-carbon double bond, R⁵ represents an alkyl group having 1-10 carbon atoms, and R⁶ and R⁷ represent an alkyl group having 1-10 carbon atoms, monovalent alicyclic group having 6-20 carbon atoms, or monovalent aryl group having 6-20 carbon atoms.

8. (currently amended) The photocurable resin composition according to ~~anyone of claims 1-7~~ claim 1, wherein the component (A) comprises a compound (b2) having the structure



wherein R⁸ represents an organic group having a polymerizable carbon-carbon double bond, R⁹ represents a hydrogen atom, alkyl group having 1-10 carbon atoms, alicyclic group having 3-10 carbon atoms, aryl group having 6-10 carbon atoms, or aralkyl group having 7-11 carbon atoms, R¹⁰ and R¹¹ individually represent an alkyl group having 1-10 carbon atoms, haloalkyl group having 1-10 carbon atoms, alicyclic group having 3-10 carbon atoms, aryl group having 6-10 carbon atoms, or aralkyl group having 7-11 carbon atoms, or any two of R⁹, R¹⁰, and R¹¹ may bond to form a 5-7 member ring.

9. (currently amended) The photocurable resin composition according to ~~anyone of claims 1-8~~ claim 1, wherein the component (A) comprises a compound (c), which is a (co)polymer prepared from monomers comprising the compounds (a) and/or (b).

10. (original) The photocurable resin composition according to claim 9, wherein the (co)polymer is prepared from monomers comprising 10-100 mol% of component (b).

11. (currently amended) The photocurable resin composition according to ~~claim 9-10~~ claim 9, wherein the polystyrene-reduced weight average molecular weight of the copolymer (c) determined by gel permeation chromatography (GPC) is 1,000-500,000

12. (currently amended) The photocurable resin composition according to ~~anyone of claims 1-11~~ claim 1, wherein the proportion of the component (A) used in the photocurable resin composition of the present invention is 1-50 wt%.

13. (currently amended) The photocurable resin composition according to ~~anyone of claims 1-12~~ claim 1, wherein the component (B) contains 50 wt% or more of epoxy compounds.

14. (currently amended) The photocurable resin composition according to ~~anyone of claims 1-13~~ claim 1, wherein the component (B) is present in an amount from 20-90 wt%.

15. (currently amended) The liquid photocurable resin composition according to ~~anyone of claims 1-14~~ claim 1, further comprising (D) elastomer particle having a number average particle diameter of 10 to 1,000 nm.

16. (currently amended) The liquid photocurable resin composition according to ~~anyone of claims 1-15~~ claim 1, further comprising (E) an ethylenically unsaturated monomer other than the component (A), and (F) a radical photoinitiator.

17. (currently amended) The liquid photocurable resin composition according to ~~anyone of claims 1-16~~ claim 1, further comprising (G) a polyether polyol compound having one or more hydroxyl groups in the molecule.

18. (currently amended) A photofabricated product obtained by curing the liquid photocurable resin composition according to ~~any one of claims 1-17~~ claim 1 by applying light.